

Title (en)
TIRE

Title (de)
REIFEN

Title (fr)
PNEUMATIQUE

Publication
EP 4242012 A4 20240522 (EN)

Application
EP 21902957 A 20210917

Priority
• JP 2020202541 A 20201207
• JP 2021034236 W 20210917

Abstract (en)
[origin: WO2022123853A1] A pneumatic tire (1) comprises a tread portion (2) including a land portion (24) divided by a plurality of main grooves (22) formed in the tread surface (21), and a mounting member (10) which is provided on a tire inner surface (7A) on the inner side of the tread portion (2) and onto which an electric device is mountable. The mounting member (10) is disposed on the tire inner surface (7A) at a position corresponding to the land portion (24). The complex modulus E*1 of the rubber composition forming the mounting member (10) is greater than the complex modulus E*2 of the rubber composition forming the tread portion (2).

IPC 8 full level
B60C 19/00 (2006.01); **B29D 30/00** (2006.01); **B60C 11/00** (2006.01); **B60C 23/04** (2006.01); **B60C 1/00** (2006.01); **B60C 11/03** (2006.01)

CPC (source: EP US)
B29D 30/0061 (2013.01 - EP); **B60C 11/0008** (2013.01 - US); **B60C 19/002** (2013.01 - EP); **B60C 23/0493** (2013.01 - EP US); **B29D 2030/0072** (2013.01 - EP); **B60C 1/0016** (2013.01 - EP); **B60C 2011/0025** (2013.01 - EP US); **B60C 2011/0033** (2013.01 - EP US); **B60C 2011/0341** (2013.01 - EP); **B60C 2019/004** (2013.01 - EP); **B60C 2200/04** (2013.01 - EP US); **Y02T 10/86** (2013.01 - EP)

Citation (search report)
[A] JP 2020082934 A 20200604 - YOKOHAMA RUBBER CO LTD

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 4242012 A1 20230913; **EP 4242012 A4 20240522**; CN 116583411 A 20230811; JP WO2022123853 A1 20220616; US 2024010033 A1 20240111; WO 2022123853 A1 20220616

DOCDB simple family (application)
EP 21902957 A 20210917; CN 202180081555 A 20210917; JP 2021034236 W 20210917; JP 2022568056 A 20210917; US 202118255548 A 20210917